

**MANUFACTURING AND PRODUCTION**

Blown Film Production and Flexible Packaging

3 day course

Classroom, online or in-house

Course overview

Film is sold by area and costed by mass, so every micron of unnecessary thickness is money leaving the plant on a roll, while a micron too few is a bag that splits at the customer. This course works between those limits. Delegates work through resin selection and the blend behaviour that decides strength, clarity and sealability. Bubble formation is covered in detail: blow up ratio, frost line height, cooling and the stability that determines gauge variation. Gauge control and randomisation follow, since a repeating thick band builds into an unusable roll. Coextrusion and layer structures are addressed for barrier and strength. Treatment for printing is covered. Winding, tension and roll quality follow. Converting is addressed: bag making, sealing, and the seal integrity testing that predicts field failure. Film testing is covered across thickness, tensile, dart impact and seal strength. The course closes on scrap, reclaim and downgauging without losing performance.

What you will learn

- Select and blend resins for strength, clarity and sealability
- Control blow up ratio, frost line and cooling for bubble stability
- Manage gauge variation and randomisation to protect roll quality
- Build coextruded layer structures for barrier and strength
- Treat film for printing and wind rolls at correct tension
- Make and seal bags, and test seal integrity
- Test film properties, manage reclaim and downgauge safely

Who should attend

- Blown film line operators and supervisors
- Process engineers in flexible packaging
- Quality staff testing film and seals
- Bag making and converting supervisors
- Technical sales staff supplying film

Course outline

- 01 Every micron is money on a roll
- 02 Resin selection and blend behaviour
- 03 Blow up ratio, frost line and cooling
- 04 Bubble stability and gauge variation
- 05 Gauge randomisation and roll build
- 06 Coextrusion and layer structures
- 07 Treatment, winding and roll quality
- 08 Bag making, seal integrity, testing and downgauging

Upcoming dates



Dates	Venue	Format	Fee per delegate
4 to 6 November 2026	Durban, South Africa	Classroom	R14,950
18 to 20 November 2026	Online	Online	R6,500
30 November to 2 December 2026	Johannesburg, South Africa	Classroom	R14,950
23 to 25 December 2026	Casablanca, Morocco	Classroom	USD 995

Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 995** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriScience.co.za, or WhatsApp us on **+27 63 479 1136**.

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